

TABLE OF CONTENTS

DOE BULLETIN BOARD

[What's New on the FEMP Web Site](#)

[Did You Know?](#)

CONGRESSIONAL ACTIVITIES

[Congressional Schedule](#)

[Senate](#)

[Status of Pending Appropriation Bills of Interest to FEMP](#)

[New Legislative Initiatives of Interest to FEMP](#)

[Status of Pending Authorization Bills of Interest to FEMP](#)

[Hearings of Interest to FEMP](#)

[House](#)

FEDERAL AGENCY ACTIVITIES

[Department of Defense \(DOD\)](#)

[Chicago Region](#)

[Department of Energy \(DOE\)](#)

[Denver Region](#)

[Environmental Protection Agency \(EPA\)](#)

[Philadelphia Region](#)

[Federal Energy Regulatory Commission \(FERC\)](#)

[Seattle Region](#)

[Atlanta Region](#)

[Multiple Regions](#)

[Boston Region](#)

STATE AND LOCAL GOVERNMENT ACTIVITIES

[Atlanta Region](#)

[Denver Region](#)

[Boston Region](#)

[Philadelphia Region](#)

[Chicago Region](#)

[Seattle Region](#)

UTILITIES AND SUPPLIER ACTIVITIES

[General Announcements](#)

[Denver Region](#)

[Atlanta Region](#)

[Philadelphia Region](#)

[Boston Region](#)

[Seattle Region](#)

[Chicago Region](#)

PRIVATE SECTOR

[Atlanta Region](#)

[Boston Region](#)

[Chicago Region](#)

[Denver Region](#)

[Philadelphia Region](#)

[Seattle Region](#)

ALTERNATIVE FUELS AND VEHICLES

[General Announcements](#)

[Atlanta Region](#)

[Boston Region](#)

[Chicago Region](#)

[Denver Region](#)

[Philadelphia Region](#)

[Seattle Region](#)

[International](#)

MEETINGS, CONFERENCES AND TRAINING WORKSHOPS

[General Announcements](#)

[Atlanta Region](#)

[Boston Region](#)

[Chicago Region](#)

[Denver Region](#)

[Philadelphia Region](#)

[Seattle Region](#)

STUDIES, REPORTS, AND ANALYSES

[Solar and Renewable Energy](#)

[Energy and Water Conservation](#)

[Alternative Fuels and Vehicles](#)

[Utility-Related Issues](#)

[Miscellaneous](#)

ATTACHMENTS

[A – New Legislation of Interest to FEMP](#)

[B – Hearings](#)

[C – New Technologies](#)

[D - Meetings, Conferences, and Other Events](#)

The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

DON'T FORGET!

Energy 2003 is August 17 - 20 in Lake Buena Vista, Florida! Go to the Energy 2003 web page at www.energy2003.ee.doe.gov to register.

Short Term Energy Outlook, Energy Information Administration (EIA), April 2003.

In the most recent analysis, EIA reports that March oil prices declined by about \$2-\$3 per barrel from the February average price. West Texas Intermediate prices averaged about \$33.50 a barrel in March, but lowered to about \$30 per barrel in late March and early April as the United States led coalition advanced to Baghdad. Uncertainties in key oil production arise from the underestimated acceleration of the Venezuelan production and the reduced output from Nigeria due to internal ethnic conflicts which has shut down production.

The phase-out of methyl tertiary butyl ether (MTBE) from California motor gasoline and replacement with ethanol will contribute to the price of motor gasoline rising by 50 cents per gallon until improved refining and blending processes narrow the price difference.

Working natural gas storage reached the lowest ever in recorded history, from 1976, with an estimated 696 billion cubic feet. With storage at 42 percent below the previous five-year average, getting to normal storage before next winter will entail a combination of high spot prices during the spring and summer, strong natural gas drilling and development efforts, and normal weather.

[Back to Table of Contents](#)

WHAT'S NEW ON THE FEMP WEB SITE

FEMP has many resources for celebrating Earth Day and spreading the Earth Day message "One person can make a world of difference. Create a future where energy is clean, abundant, reliable, and affordable." Visit www.eere.energy.gov/femp/newsevents/earthday_2003.html for full details.

[Back to Table of Contents](#)

CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Congress returns the week of April 28 after a two-week recess. A high priority for the Senate this week is for the Committee on Energy and Natural Resources to complete work on crafting comprehensive energy legislation. The House approved its version of the bill in early April.

[Back to Table of Contents](#)

STATUS OF PENDING APPROPRIATION BILLS OF INTEREST TO FEMP

- Refer to www.eere.energy.gov/femp/resources/initiatives.html – Legislative Databases

Energy Appropriations Last week, the Chairs and Ranking Minority Members of the House Subcommittees on Interior and Related Agencies and Energy and Water Development received a bi-partisan letter urging them to reconsider proposed FY 2004 reductions in funding for DOE's energy efficiency and renewable energy programs. The April 18 letter was signed by 57 Democrats and Republicans led by Mark Udall (D/CO) and Vernon Ehlers (R/MI), Chair and Co-Chair respectively of the House Renewable Energy and Energy Efficiency Task Force. In the letter, [House members expressed their concern over reductions of up to 30 percent for energy efficiency and renewable energy programs as compared to FY 2002 funding.](#) The letter states that, "We cannot afford to reduce emphasis on shorter term activities that can get us large efficiency gains."

STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

- Refer to www.eere.energy.gov/femp/resources/initiatives.html – Legislative Databases

HOUSE

Comprehensive Energy Legislation The House passed a bill, *H.R. 6 – Energy Policy Act of 2003*, on April 11. To review the entire text of the bill, go to thomas.loc.gov/home/thomas.

DOE BULLETIN BOARD

DID YOU KNOW?

You can find Earth Day events and environmental service opportunities sponsored by the Federal government in a comprehensive, searchable web-based guide to at EarthDay.Gov.

The 2003 EnergyStar® Partner of the Year awards were held on April 15 to honor organizations that have made outstanding contributions to reducing greenhouse gases. A complete listing of winners is available at www.energystar.gov.

[Back to Table of Contents](#)

SENATE

Comprehensive Energy Legislation This week, Pete Domenici (R/NM), Chair of the Committee on Energy and Natural Resources, will resume marking up the Senate's unnumbered energy bill (see schedule below). The committee will focus on titles dealing with energy research and development, electric utilities, transportation fuels, climate change, and energy on Indian lands. Democrats are expected to submit amendments to various titles during the committee mark up and possibly once the bill is introduced on the Senate floor. Democrats are particularly concerned about Republican proposals for climate change and electric utilities.

Last week, Chairman Domenici introduced revised electric utility language in response to

comments received from states and others regarding the chairman's concerns over FERC's Standard Market Design (SMD) proposal. The new draft directs FERC to withhold release of its revised SMD until 120 days after passage of comprehensive energy legislation; FERC has said it plans to release a final SMD proposal this summer. In releasing his revised electricity title, Chairman Domenici said:

"I am straightforward about the fact that the committee is divided largely along regional lines on electricity. Despite the challenge that represents, I am committed to an electricity title." The experience in California and the current financial condition of the sector make it clear something needs to be done, but I, and most of my colleagues, are uncomfortable leaving the matter entirely to the FERC.

Meanwhile, Chairman Domenici hopes to complete the committee's mark up of the bill on Thursday, May 1 and prepare the bill for consideration by the full Senate as soon as possible. The House passed its version of comprehensive energy legislation, *H.R. 6 – Energy Policy Act of 2003*, on April 11.

NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- See [Attachment A](#) – New Legislation of Interest to FEMP

[Back to Table of Contents](#)

HEARINGS OF INTEREST OF FEMP

- See [Attachment B](#) – Hearings of Interest to FEMP

[Back to Table of Contents](#)

FEDERAL AGENCY

ACTIVITIES

DEPARTMENT OF DEFENSE (DOD)

Alternative Energy Financing The Defense Logistics Agency is seeking Contracted Advisory and Assistance Services to support DOD's achievement of the agency's energy management goals. To accomplish this, [DLA seeks to develop and analyze each DOD Energy Conservation Measure through alternative financing mechanisms](#). Tasks will include, but not be limited to the following:

- Evaluation of estimated and guaranteed annual cost savings
- Examination of Energy Service Company cost proposals
- Preparation of life cycle cost analyses
- Evaluation of measurement and verification assumptions and stipulations for appropriateness
- Assessment of implementation costs and their impact on the economic feasibility of projects.

The project is expected to include analyses to support DOD's utility privatization initiative. Contact Laverne Tillson at 703-767-9402 and refer to Solicitation Number SP0600-03-R-0081.

Housing Privatization The Department of Housing and Urban Development (HUD) plans to conduct an analysis of the [potential for HUD to participate in DOD's program to privatize military housing using the Simplified Acquisition Procedures](#). To obtain additional information on Solicitation Number Q3QACCS0003, contact David Ritter at 202-708-1585.

DEPARTMENT OF ENERGY (DOE)

FEMP Goes International In early April, DOE Deputy Secretary Kyle McSillarow and Russian Deputy Minister of Energy, Oleg Gordev signed two new "protocols" dealing with energy efficiency and renewable energy and overall energy issues. The purpose of the protocols is to "strengthen the overall relationship between the two countries, and enhance global energy security, international strategic stability, and regional cooperation." [An Energy Efficiency Technologies Subgroup has been established to explore future funding for Federal Energy Management Program training in the United States](#). Recently, FEMP's Director, Beth Shearer, led a DOE team on a visit to Russia to meet with their Russian counterparts interested in learning more about DOE's Federal Energy Management Program. For more information about the protocols, visit the DOE web site at www.energy.gov/HQPress/releases03/aprpr/pr03068.

DOE Receives EnergyStar® Designation DOE's Germantown, Maryland, facility received the EnergyStar® designation during a ceremony on April 23. In receiving this recognition, DOE Assistant Secretary David Garman said:

Achieving the EnergyStar® label for the Department of Energy's headquarters building in Germantown, Md., demonstrates that the Energy Department is 'walking the walk' and leading by example in energy efficiency. There is no better place to start than in our own back yard.

This is the fifth [DOE facility that has received the EnergyStar® label](#). Other DOE facilities that have also received the label include a Lawrence Berkeley National Laboratory building, two facilities at the Nevada Test Site, and one at Oak Ridge National Laboratory. For more information, refer to the DOE press release at www.energy.gov/HQPress/releases03/aprpr/pr03083.

Hydrogen Partnership Last week, Secretary Spencer Abraham attended the International Energy Agency Ministerial meeting in which he recommended the establishment of an international partnership for the hydrogen economy. In his remarks, the Secretary said:

International cooperation is key to achieving hydrogen and fuel cell program goals such as those President Bush stated in his recent State of the Union address. Partnerships that leverage scarce resources, develop technology standards, and foster private-public technology and infrastructure collaboration can more easily overcome the technological and institutional barriers that inhibit the development of a cost-competitive, standardized, widely accessible and safe hydrogen economy.

An International partnership for the Hydrogen Economy will establish cooperative and collaborative effort in hydrogen production, storage, transport, and end-use technologies; common codes and standards for hydrogen fuel utilization; and the sharing of information necessary to develop hydrogen fueling infrastructure.

For more information, refer to the DOE press release at www.energy.gov/HQPress/releases03/aprpr/pr03089.

Renewable Energy on Tribal Lands On April 24, Secretary Abraham announced that his Department will provide \$1.3 million in funding to support the development of renewable energy on tribal lands. Eight Native American Tribes located in the States of Alaska, Washington, California, New Mexico, Nevada, Idaho Oklahoma, South Dakota, and Wisconsin received funding. In a released statement, the Secretary said:

The Department is committed to helping native American tribes develop clean, affordable and reliable energy options. These projects encourage tribal self-sufficiency, help create jobs, improve our environmental quality and make our nation more secure.

To obtain additional information, refer to the DOE press release at www.energy.gov/HQPress/releases03/aprpr/pr03077.

Senior Management Addresses Transmission Security Jimmy Glotfelty, Director of the Office of Electric Transmission and Distribution, and Abbie Layne, Senior Technical Advisor at the National Energy Technology Laboratory (NETL) and liaison between DOE and the Department of Homeland Security, spoke at the Energy Storage Council's Annual Conference in March. Mr. Glotfelty's keynote address emphasized that grid reliability, security, and technology development are fundamental to establishing a flexible electric transmission system, and that energy storage can help secure and strengthen all three areas. The combination of stored electric energy used to moderate market volatility, national electric system security, and the need to reinforce transmission infrastructure will elevate the issue of energy storage to a heightened level of concern among Federal regulators and market participants. Conference proceedings may be purchased at www.energystoragecouncil.org.

[Back to Table of Contents](#)

ENVIRONMENTAL PROTECTION AGENCY (EPA)

Green Buildings The Public Health Institute of Berkeley, California, has received funding from EPA to study product and material sources of pollution that impact indoor air quality. [The results will be used to "validate and improve" EPA's guidance regarding indoor air quality to support the agency's overall effort](#)

to improve green building performance. For more information on Solicitation Number DC-03-00183, contact Jami Rodgers at 202-564-4781.

[Back to Table of Contents](#)

FEDERAL ENERGY REGULATORY COMMISSION (FERC)

Standard Market Design FERC Chairman Pat Wood plans to release a revised version of the Standard Market Design (SMD) proposal in late April or early May. Criticized for its lack of clarity, the SMD will be reworked to (the words of Mr. Wood) “articulate more clearly” how states can regulate regional transmission planning and guarantee generation adequacy. The revised proposal may also include new approaches to address the main principles of the SMD. (Source: *Restructuring Today*, April 2, 2003)

[Back to Table of Contents](#)

ATLANTA REGION

No new information of interest to report.

[Back to Table of Contents](#)

BOSTON REGION

No new information of interest to report.

[Back to Table of Contents](#)

CHICAGO REGION

No new information of interest to report.

[Back to Table of Contents](#)

DENVER REGION

► Utility/DSM Activities

The General Services Administration has issued a Request for Proposals for the acquisition of renewable power for an EPA facility located in Houston, Texas. Under the proposed contract, GSA seeks a provider for 100 percent renewable power; the provider must be a certified Retail Energy Provider by the Public Utility Commission of Texas. Contact Judy Ray at 817-978-4064 and refer to Solicitation Number EPA030620.

[Back to Table of Contents](#)

PHILADELPHIA REGION

No new information of interest to report.

[Back to Table of Contents](#)

SEATTLE REGION

No new information of interest to report.

[Back to Table of Contents](#)

MULTIPLE REGIONS

► *Utility/DSM Activities*

GSA's Public Building Service is seeking providers of electricity for various, unspecified Federal facilities. Proposals are due April 30. For additional information on Solicitation Number GS-00P-03-BSC-0228, contact Linda Collins at 202-708-981.

[Back to Table of Contents](#)

STATE AND LOCAL GOVERNMENT ACTIVITIES

ATLANTA REGION

No new information of interest to report.

[Back to Table of Contents](#)

BOSTON REGION

► *General State Activities*

The State of Maine will purchase 50 percent of its electricity from “reasonably priced” renewable power sources. State buildings will be the first to receive electricity generated by renewable resources. (Source: *Green Power Marketing Monthly Update*, March 2003)

Twenty businesses and educational institutions in the State of Rhode Island have formed a group to explore the production and purchase of renewable energy. The Renewable Energy Customer Aggregation (RECA) is an aggregate buyer of electricity, possessing more than 400 million kilowatt hours of annual electricity consumption. RECA will assess purchasing alternatives, solicit and weigh proposals, and buy renewable energy on an individual or aggregate level. (Source: *Rhode Island Renewable Energy Fund Press Release*, April 2, 2003)

[Back to Table of Contents](#)

CHICAGO REGION

► *Status of Utility-Related Activities*

The Michigan Public Service Commission will meet on June 3 to discuss a request by nine electric distribution cooperatives to delay implementation of “electric choice” for cooperatives, which is currently scheduled to begin on January 1, 2005. The request for delay is based on the fact that alternative energy suppliers will not offer electricity in rural areas until far beyond that date. (Source: *Michigan Public Service Commission*, www.michigan.gov/mpsc)

The Minnesota Municipal Power Agency recently launched two wind towers that supply wind-generated electricity to customers in 18 cities. The two towers will provide the City of Fairmont nearly three percent of its annual energy usage, a small part of the towers total production capacity of 1.9 MW. Developers will rely on the turbines to deliver only one third of their capacity, given the fact that peak load is not always sustained. Only residential customers have received power from the project so far, but

additional capacity may allow project developers to expand the customer base to include commercial entities. (Source: *Post-Bulletin* (Rochester, Minnesota), March 20, 2003)

[Back to Table of Contents](#)

DENVER REGION

No new information of interest to report.

[Back to Table of Contents](#)

PHILADELPHIA REGION

No new information of interest to report.

[Back to Table of Contents](#)

SEATTLE REGION

► *General State Activities*

The Great Valley Center in Modesto, California, has released a report stating that the region could host a wealth of renewable resource development. The valley's open fields, which would be amenable to the production of biomass plant burning, the unique installation of a solar-powered irrigation pump, and "the combination of the Valley's natural assets and urgent economic needs, along with the availability of already proven technologies and growing government incentives is a strong case for pursuing this path," according to the Director of Collaborative Economics, John Melville. Report authors call for the creation of an advisory group that could bring the valley's resources into a broader energy market, and help create government policy aimed at establishing incentives for renewables development. (Source: *The Fresno Bee*, April 9, 2003)

According to a new report released by the Nevada Renewable Energy and Energy Conservation Task Force, the state could take in \$21.5 billion by the year 2035, by meeting its renewable portfolio standard. The funds would be derived from the production of electricity generated from renewable energy sources within the state. Renewable power production has great potential due to the following factors reported in the study:

- Southern portions of the state have the potential to be one of the best sources of solar electric power in the world,
- Over 50 million mWh of electricity could be generated through wind turbines in the state, and
- Over 60 percent of the state reaches temperatures high enough to produce energy from geothermal sources.

Rose McKinney-James, task force chair said, "It's a clear demonstration of the dramatic role that continued development of a strong renewable energy industry and progressive policy will have on the economic well being of our state as a whole as well as on our counties, our cities and our citizens." (Source: *Business Wire*, April 7, 2003)

► *Status of Utility-Related Activities*

Legislators in the State of California are proposing a bill that would reverse the 1996 deregulation law that brought a market-based electric system to customers. *SB 888*, introduced by Senator Joe Dunn (D/Santa Ana), would revoke the ability of large customers to make their own deals with generators, and it would essentially encourage utilities to invest in transmission lines and generation, removing incentives to sell their assets to private companies. Senator Debra Bowen (D/Marina Del Ray),

explained that “[Bill passage] has to happen this year because we need investments in capital facilities to be made beginning this year and next year, or we will have power shortages by 2006.” Another bill working its way through the state legislature would preserve direct access for utilities, however, the bill would require that large users provide adequate notice to the utility and require that a contract be signed with the generator. Governor Gray Davis support *SB 888* stating, “I’m clearly leaning toward a more regulated environment than we have now.” (Source: *Sacramento Bee*, April 10, 2003)

The California Public Utility Commission (PUC) modified its surcharge structure that is intended to recover losses incurred during California’s 2000 electricity crisis. A surcharge will no longer be levied for utility customers with small (less than 1 MW) renewables and self-generated electricity. The exemption applies to solar, wind, and fuel cell applications installed before January 17, 2001. The solar energy industry endorsed the new rule, and is currently assisting members of the California State Legislature draft a bill to ratify the measure as state law. A letter written by 23 California U.S. House of Representative members to PUC President Michael Peevey stated in part, “We feel that it is counterproductive for this fee to apply to any users of emission-free technologies such as solar and wind systems... With the sales of grid-connected industrial and commercial solar systems increasing by 100 percent last year alone, it would seem counterintuitive to blunt these financial and regulatory incentives with excessive fees.” (Source: *Greenwire*, April 7, 2003)

[Back to Table of Contents](#)

UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

The Center for Resource Solutions has approved Evolution Markets as a transactor of Green-e certified Tradable Renewable Certificates (TRCs). Evolution Markets is the first broker to be approved to obtain and package TRC’s for Green-e certification. Andrew Ertel, CEO and President of Evolution Markets said, “The markets for renewables have shown tremendous growth, but some would-be market participants still encounter barriers. As brokers, our role is to facilitate transactions and improve liquidity.” (Source: *E-Wire*, April 3, 2003)

[Back to Table of Contents](#)

ATLANTA REGION

No new information of interest to report.

[Back to Table of Contents](#)

BOSTON REGION

► Restructuring Activities

Niagara Mowhawk (NiMo) will place into service, a dormant hydropower plant after years of legal disagreements with the plant’s operator, Fourth Branch Associates. NiMo had considered the plant structurally unsound and sought to fill part of the plant with concrete, thereby rendering it inoperative. Conservationists argued that the facility, which is listed on the National Register of Historic Places, be preserved. Given the fact that New York has a mandate to provide 25 percent of the state’s electricity from renewable sources by 2013, reopening the facility seemed reasonable. Two turbines will be operable by Labor Day and will produce enough electricity to power 5,000 homes. The cost to fully refurbish and expand the plant will be \$27 million. (Source: *Times Union* (Albany, NY), April 12, 2003)

Northeast electric customers of Green Mountain Energy will receive electricity generated from renewable power purchased from PG&E National Energy Group's Madison Windpower facility in Madison County, New York. Green Mountain will purchase wind power from seven turbines with a capacity of 11.5 megawatts through 2004. Niagara Mohawk customers may buy the renewable energy for a fixed rate of 1.3 cents per kilowatt hour premium above their regular base rate, until December 31, 2004. Clifton Payne Jr. of Green Mountain Energy said, "This means that no matter how much energy prices increase over the coming months, the rates that Niagara Mohawk customers who choose Green Mountain Energy electricity pay will not change." The average annual New York household purchase of renewable power could reduce CO2 production by 3,100 pounds, the equivalent of a car driving 3,400 miles. (Source: *PR Newswire*, April 10, 2003)

Wind power developers in the State of New York have delayed construction of new wind farms because of regulatory uncertainty and an economic slump. Despite state-sponsored grants and tax breaks, developers are waiting until renewable energy mandates are issued. Within the next ten years, Governor George Pataki (R) may establish a renewable standard requiring that one quarter of the state's electricity be generated from renewable sources. Another factor that will impact their decision is whether or not a Federal wind turbine tax credit will be renewed after the incentive expires this year. (Source: *Albany Times Union*, April 7, 2003)

[Back to Table of Contents](#)

CHICAGO REGION

► *Restructuring Activities*

Dairyland Power Cooperative (DPC) members will soon receive power produced from methane in an anaerobic digestion process. Five megawatts of renewable power will be generated from the project; in five years, project developers hope to expand the initiative to 25 megawatts. Expanded generation will provide power for 20,000 homes throughout the States of Wisconsin, Minnesota, Iowa, Illinois, and Michigan. John McWilliams, DPC Resource Planner cautioned that, "Some participation eligibility factors will include the size of the farm herd and the proximity to distribution infrastructure." DPC provides electricity to 20 municipal utilities and 25 member distribution cooperatives. (Source: *PR Newswire*, April 8, 2003)

By 2004, Iowa electric customers will receive power produced from 180-200 new wind turbines built by MidAmerican Energy Holdings Company. The combined output will produce 310 MW of electricity. As a result of the new turbines, Iowa will rank third in the nation for wind energy production, behind California and Texas. Iowa Governor Tom Vilsack (D) said the wind project ties in with state goals for job creation, increasing renewable energy sources, and providing economic assistance to farmers. (Source: *Electrical Construction & Maintenance*, April 14, 2003)

[Back to Table of Contents](#)

DENVER REGION

No new information of interest to report.

[Back to Table of Contents](#)

PHILADELPHIA REGION

No new information of interest to report.

[Back to Table of Contents](#)

SEATTLE REGION

► *Restructuring Activities*

Puget Sound Energy (PSE) has released a strategy that addresses efficient thermal-power generation, energy efficiency, and renewable resources in an effort to meet customer energy needs. PSE has contracted to receive 68,000 mWh of renewable energy over the next year from the Stateline Wind Farm in Washington. The wind power will support PSE's goal of providing customers with an energy mix that includes five percent electricity derived from renewable energy resources by 2013. The utility proposes to save 150 MW of energy per year and to save 21 million therms of natural gas over the same time period. Steve Reynolds, President and CEO of PSE said, "To meet our public-service obligations, we must look to ourselves for solutions. With the distressed merchant-energy sector, we must take steps to diversify and secure a resource portfolio that helps satisfy our customers' growing power demands. Our balanced portfolio strategy is a long-term solution that will provide more local control over the power supply and minimize risk to customers." PSE will submit its plan to the Washington Utilities and Transportation Commission at the end of April. (Source: Business Wire, March 31, 2003)

[Back to Table of Contents](#)

PRIVATE SECTOR

ATLANTA REGION

Duke Energy's solar branch, Duke Solar Energy, is collaborating with TopEcology to design, build, and distribute advanced solar-thermal desalination and water purification systems. The companies plan to integrate TopEcology's Aqua Kids desalination technology and water purification technology with Duke Solar's efficient solar thermal technologies. President and CEO of Duke Solar Energy, John Myles said, "This collaboration will mean improved living standards while reducing ecological impact. This is very exciting news." (Source: *Environmental News Service*, March 27, 2003)

[Back to Table of Contents](#)

BOSTON REGION

The New York State Energy Research and Development Authority (NYSERDA) will provide \$57,000 through the New York Energy SmartSM New Construction Fund to the Franklin Academy Senior High School in the Malone Central School District. Using waste heat, the pool heat recovery unit will complement the heating of water and thus reduce electricity use. New variable speed drives on pump and fan motors and a new chiller will be installed at a 106,000 square foot addition to the high school. Einhorn Yaffee Prescott Architecture & Engineering, P.C. of Albany, New York have provided technical assistance. (Source: New York State Energy Research and Development Authority, Press Release April 11, 2003)

Interface Fabrics Group plans to buy 2.5 million kW of renewable energy certificates, or "green tags." The Fabrics Group manufactures Guilford of Maine and Terratex brands. With this purchase it will offset ten percent of the electrical energy used at the company's Maine and Massachusetts operations with renewable wind energy. This new initiative will add to the Fabrics Group's use of biomass and will increase the company's alternative energy to 58 percent. (Source: *Environmental News Service*, April 7, 2003)

Yale University is the first American university to install a hydrogen-powered fuel cell to provide electricity for an institutional facility. Connecticut Clean Energy Fund is financing the \$1.25 million

Environmental Sciences Building for the plant, which will provide 25 percent of the building's power needs. (Greenwire: April 4, 2003)

Green Mountain Energy Company will buy its electricity from PG&E National Energy Group's Madison wind farm in Hamilton, New York, through 2004. The wind farm has seven wind turbines with a capacity of 11.5 MW. Green Mountain Energy, consisting of half wind- and half hydro-generation and is available to Niagra Mowhawk customers at 1.3 cents per kWh above their base rate. (Source: *Reuters*, April 14, 2003)

[Back to Table of Contents](#)

CHICAGO REGION

MidAmerican Energy Company plans to build a 180 to 200 wind turbine farm at the cost of \$323 million. Each wind turbine will generate between 1.5 and 1.65 MW that together will power 85,000 homes. Once the Iowa Utilities Board approves the project, MidAmerican will begin construction; the project will help Iowa Governor's Tom Vilsack (D) reach his goal of 1,000 MW of renewable energy by 2010. (Source: *Greenwire*, March 27, 2003)

[Back to Table of Contents](#)

DENVER REGION

No news of interest to report.

[Back to Table of Contents](#)

PHILADELPHIA REGION

No news of interest to report.

[Back to Table of Contents](#)

SEATTLE REGION

WorldWater Corporation unveiled a solar-powered irrigation pump at the D.T. Locke Ranch in Mendota, California. The installation features a 108 foot long solar array that powers a three-phase, 36 kW, 50 horsepower pump. The controller converts solar DC current to AC to power the pump through the solar array, or the electrical grid, or both. This is the first use of alternative energy to pump groundwater, and is suitable for farms, ranches, dairies, and other applications. (Source: *Environmental News Service*, April 2, 2003)

Shell Solar has installed four systems in California: a 150 kW system at Salina Valley Memorial Hospital in Monterey County, a 73 kW system in Los Angeles, a 1.76 kW system in Southern California, and a 225 kW system at California State University (CSU)-- Northridge. The 1.76 kW system will be used to monitor the California Condor at the Hopper Mountain National Wildlife Refuge. The CSU system consists of 3,000 photovoltaic panels that generate 75 watts each and is grid connected. The array doubles as shade from its position on top of a parking garage. The CSU system is thought to be the largest at any American university. (Source: *EERE Network News*, April 1, 2003; Shell news release, February 2, 2003; *REFOCUS*, March/April 2003)

A new energy-efficient lighting control system that was researched by Lawrence Berkeley National Laboratory (LBNL) will be installed at a DoubleTree Hotel in Sacramento, California. LBNL in partnership with Sacramento Municipal Utility District (SMUD) has studied the energy use of hotel guests to develop a system that is both energy efficient and transparent to guests. New features include installing occupancy sensors in bathrooms that go off after an hour when most energy use occurs, and the

installation of an energy-efficient light-emitting diode night light, to allow night lighting without leaving the energy costly bathroom light on. The Watt Stopper is manufacturing the units, SMUD and DoubleTree are sharing the demonstration costs, and the California Energy Commission's Public Interest Energy Research Project is funding the project. (Source: GreenBiz.com, April 10, 2003)

[Back to Table of Contents](#)

ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

The National Highway Traffic Safety Administration has increased the corporate average fuel economy (CAFE) standards for light trucks by 1.5 miles per gallon (mpg) to 21.0 mpg for Model Year (MY) 2005, 21.6 mpg for MY 2006, and 22.2 mpg for MY 2007. This is the first increase in CAFE standards since Model Year 1996. (Source: *EERE Network News*, April 9, 2003)

General Motors Corp. and the BMW Group will jointly develop refueling technology for hydrogen-powered vehicles. Specifically, the companies hope to develop technology that will allow all liquid-hydrogen-fueled vehicles to fill up at any liquid-hydrogen fueling station. (Source: *Greenwire*, April 10, 2003; *EERE Network News*, April 16, 2003)

Toyota's 2004 Model Year Prius gasoline hybrid-electric offers 50 percent more power, more interior room, better efficiency, and lower emissions than the previous model. Unlike its competitors, the Prius uses a full hybrid system, which can operate in gas, electric, or combined modes. (Source: *CALSTART News Notes*, April 16, 2003)

[Back to Table of Contents](#)

ATLANTA REGION

► Infrastructure Activities

Air Products and Chemicals, Inc. has made an agreement with Marathon Ashland Petroleum subsidiary Cattlesburg Refining to build, own, and operate a new 34 million ft³/d hydrogen facility in Cattlesburg, Kentucky. The facility, which will produce clean fuels, is slated to be on-line in November. (Source: *Clean Cities*, March 2003)

[Back to Table of Contents](#)

BOSTON REGION

► AFV Fleet Acquisitions

The Greater Long Island Clean Cities Coalition's Congestion Mitigation & Air Quality Program has awarded more than \$1 million to 11 grant recipients, funding electric vehicles and charging stations, CNG vehicles (including fire trucks and ambulances), and CNG fueling stations. (Source: *Clean Cities*, April 2003)

The New York City Clean Cities Coalition is the newest member of DOE's Clean Cities Program, which advocates alternative fuels. New York City's Departments of Sanitation and Transportation, as well as the New York Metropolitan Transit Authority, utilize alternative fuel vehicles in their fleets. (Source: *EERE Network News*, April 23, 2003)

► *Infrastructure Activities*

ENRG will work with BP to build and operate a compressed natural gas fueling facility at LaGuardia Airport in New York. The station will be available to Port Authority vehicles, as well as taxis, buses and shuttles serving the airport. (Source: *CALSTART News Notes*, April 3, 2003)

ENRG will receive \$30 million to design, construct, equip, and operate two CNG fueling stations for the Massachusetts Bay Transportation Authority (MBTA). The stations are expected to open this summer and will support MBTA's natural gas transit buses. (Source: *Natural Gas Fuels*, March 2003)

[Back to Table of Contents](#)

CHICAGO REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

DENVER REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

PHILADELPHIA REGION

No news of interest to FEMP.

[Back to Table of Contents](#)

SEATTLE REGION

► *AFV Fleet Acquisitions*

United Parcel Service has expanded its fleet with ten tractors which run primarily on liquefied natural gas, using only a small amount of diesel fuel at start up. The tractors will be refueled at the company's natural gas fueling station in Ontario, California, and will travel a 545 mile route between Ontario and Las Vegas, Nevada each day. (Source: *Natural Gas Fuels*, March 2003)

The City of Long Beach, California has purchased 17 C Gas Plus engines to power some of their refuse trucks with natural gas. (Source: *Natural Gas Fuels*, March 2003)

► *Infrastructure Activities*

Los Angeles County Metropolitan Transportation Authority projects have received funding from the California Transportation Commission. Projects include a 14-mile San Fernando Valley busway, a 6 mile East Los Angeles light rail project, and the purchase of buses and trains. (Source: *CALSTART News Notes*, April 4, 2003)

As a result of a settlement between environmentalists and the City and Port of Los Angeles, the port will benefit from a \$50 million, five year program. Funds will go towards replacing, repowering, or retrofitting diesel-powered trucks, and providing incentives for using alternative fuel engines and infrastructure. (Source: *CALSTART News Notes*, April 16, 2003)

► *New Products and Services*

General Motors will take its EV1 electric vehicle models off the road when leases expire, due partly to a California Air Resources Board decision to eliminate the battery-powered car mandate from the state's zero-emissions vehicle program. (Source: *Greenwire*, April 9, 2003)

[Back to Table of Contents](#)

INTERNATIONAL

► *AFV Fleet Acquisitions*

The Chinese Ministry of Science and Technology, the Global Environment Facility, and the United Nations Development Program, are embarking on a five year, \$32 million trial of fuel cell-powered transit buses and hydrogen fueling stations in Beijing and Shanghai. (Source: *CALSTART News Notes*, April 1, 2003)

Five Canada Post delivery vans will be retrofitted with Azure Dynamics Corporation's hybrid-electric powertrains and used on standard delivery routes. EnCana Corporation will contribute \$1 million to sponsor the program, which aims to have the first retrofitted van on the road this August. (Source: *CALSTART News Notes*, April 8, 2003)

[Back to Table of Contents](#)

MEETINGS, CONFERENCES, AND TRAINING **WORKSHOPS**

- Refer to [Attachment C](#) – New Technologies
- Refer to [Attachment D](#) – Calendar of Upcoming Events.

GENERAL ANNOUNCEMENTS

The Association of Energy Engineers offers online and distance-learning seminars. Upcoming May courses include Project Management for Engineering & Construction Projects, starting May 12, Fundamentals of Lighting Efficiency, starting May 13, and Commercial HVAC Fundamentals, starting May 19. June courses include Performance Contracting 2003 starting June 2, Chilled Water Systems June 4, and Air Distribution Systems June 23. For more information, go to www.aeecenter.org/training or www.aeecenter.org/realtime.

The American Solar Energy Society presents the 2003 National Tour of Solar Buildings on October 4-5 across the United States. The tour exposes participants to the potential for solar energy in buildings. For more information, including tour locations, please visit www.ases.org.

[Back to Table of Contents](#)

ATLANTA REGION

The Federal Energy Management Program is co-sponsoring Strategies for Healthier and More Productive Buildings on June 19-20 in Atlanta, Georgia. The meeting will emphasize technical strategies for building operations and maintenance. For more information and to register, please visit www.southface.org/home/events/O&M_conference/O&M_conference.htm.

World Resources Institute is co-sponsoring the 2003 Bell Conference: Ecosystems and Enterprise: Perspectives on Education for Sustainable Business on July 17-19 in Fort Lauderdale, Florida. The meeting aims to integrate sustainability issues in business school curricula. For more information and to register, visit about.wri.org/event.cfm?eid=368

[Back to Table of Contents](#)

BOSTON REGION

The Federal Energy Management Program and the National Renewable Energy Laboratory are sponsoring Implementing Renewable Energy Projects on May 20-21 in Boston, Massachusetts. The course will teach fundamentals of cost-effective renewable technologies. For more information and to register, call 916-721-7473.

The Distributed Energy & Electric Reliability Program is sponsoring a Distributed Energy Road Show in Sturbridge, Massachusetts on May 22. The topics include existing codes and standards for DER technologies, fire and safety issues, and interconnection to the utility's electrical distribution grid. Find out more information by visiting www.mbcia.org.

[Back to Table of Contents](#)

CHICAGO REGION

The Distributed Energy & Electric Reliability Program is sponsoring a series of Distributed Energy Road Shows. The topics include existing codes and standards for DER technologies, fire and safety issues, and interconnection to the utility's electrical distribution grid. Find out more information for the May 1 show in Chicago, Illinois by contacting Antonia Ornelas at 312-744-8222 or aornelas@cityofchicago.org; for the May 6 show in Milwaukee, Wisconsin by contacting Amy Winkler at 414-221-2541 or amy.winkler@we-energies.com; and for the May 8 show in Madison, Wisconsin by contacting Tracy LaHaise at 608-458-3946 or tracylahaise@alliantenergy.com.

The American Public Transportation Association is sponsoring the APTA Bus and Paratransit Conference on May 4-8 in Milwaukee, Wisconsin. The conference offers technical sessions, a bus products and services showcase, displays, and technical tours. For more information and to register, visit www.apta.com/conferences_calendar/bus.

The Midwest Renewable Energy Association is sponsoring the Renewable Energy and Sustainable Living Fair on June 21-23 in Custer, Wisconsin. The fair will include over 100 workshops, demonstrations of renewable energy and energy efficient technologies, and a showcasing of new products. For more information, please visit www.the-mrea.org/energy_fair.php.

The National Energy Education Development Project is sponsoring an Energy Conference for Educators on July 12-16 in Chicago, Illinois. The event will train educators to incorporate energy programs into their classroom and extra-curricular activities. For more information, visit www.need.org/training.htm#conf.

The Illinois Renewable Energy Association presents the Illinois Renewable Energy Fair on August 9-10 in Oregon, Illinois. The fair will provide information on renewable energy sources and energy efficiency. For more information, please go to www.illinoisrenew.org.

The Federal Energy Management Program will hold their next Super ESPC Workshop on May 20-21 in Indianapolis, Indiana. The workshop is for Federal employees involved in energy management, engineering, and procurement. The main topic of the workshop is learning about Super Energy Savings

Performance Contracting including delivery orders against regional or technology-specific IDIQ contracts. In order to register, call the FEMP Workshop Hotline at 703-243-8343.

[Back to Table of Contents](#)

DENVER REGION

The American Wind Energy Association is hosting Windpower 2003 on May 18–21 in Austin, Texas. To learn more and register, visit www.awea.org/conference.

The In-Depth Introduction to Electricity Markets seminar will be held June 4-5, 2003 at the Marriott City Center in Denver, Colorado. Seminar participants will gain knowledge of power system engineering, including the basic components, design, and operation of electric power systems; types of generation units; fundamentals of various electricity markets including day-ahead and real time; impetus for restructuring the electric power system; and the status of restructuring in regions across the United States. The course is designed for participants with limited knowledge of the electric power system. For more information, visit www.pmaconference.com.

The Corporation for the Northern Rockies is sponsoring Sustainability Fair 2003: Shining a Light on Sustainable Choices on July 12 in Livingston, Montana. Fairgoers can experience various sustainable products and services. To learn more, visit www.northrock.org/fair.html

The National Energy Education Development Project is sponsoring Energy Conference for Educators on July 19-23 in Galveston, Texas and on July 26-30 in Denver, Colorado. The events will train educators to incorporate energy programs into their classroom and extra-curricular activities. For more information, visit www.neeed.org/training.htm#conf.

The National Association of Regulatory and Utility Commissioners is holding its Summer Committee Meetings July 27-30 in Denver, Colorado. The meeting will focus on regulatory policy. For more information and to register, visit www.naruc.org/Meetings/summer/2003/index.html.

The Rocky Mountain Sustainable Living Association is hosting the 4th Annual Rocky Mountain Sustainable Living Fair on September 13-14 in Fort Collins, Colorado. The purpose of the fair is to promote sustainable living practices. For more information, please visit www.sustainablelivingfair.org.

Texas Renewable Energy Industries Association and Texas Solar Energy Society present the Renewable Energy Roundup and Green Living Fair on September 26-28 in Fredericksburg, Texas. Find more information at www.renewableenergyroundup.com.

The New Mexico Solar Energy Association is hosting the Solar Fiesta: Building the Energy Pathways on September 28-29 in Albuquerque, New Mexico. For more information, see www.nmsea.org/Solar_Fiesta.

The International Facility Management Association is sponsoring the World Workplace and Facilities America Conference on October 19-21 in Dallas, Texas. Facility professionals are invited to attend educational sessions to learn more about effective facility management. For more information and to register, please visit www.worldworkplace.org/northamerica/2003.

The Department of Energy is co-sponsoring the Laboratories for the 21st Century 2003 Annual Conference on October 21-23 in Denver, Colorado. The conference will focus on design and construction of the next generation of laboratory buildings. Learn more at www.epa.gov/labs21century/conf/conf2003/index.htm.

[Back to Table of Contents](#)

PHILADELPHIA REGION

The U.S. Fuel Cell Council is sponsoring the Congressional Fuel Cell Expo 2003 on May 22 in Washington, D.C. Exhibitors will present fuel cell innovations to Congressional leaders, officials from federal agencies, and news media. For more information, visit www.usfcc.com/conferences.htm.

The University of Virginia is sponsoring Linking Products and Service: Transcending Sustainability on June 16-20 in Charlottesville, Virginia. The conference addresses the challenges of conducting business sustainably. To learn more and register, visit exed.darden.virginia.edu/exec_POS.htm.

[Back to Table of Contents](#)

SEATTLE REGION

Cleantech Venture Network LLC presents the Cleantech Venture Forum on April 30-May 1 in San Francisco, California. The meeting aims to facilitate the finance of companies commercializing clean technologies by bringing together clean technology entrepreneurs and venture investors. For more information and to register, visit www.cleantechventure.com/index.cfm?pageSRC=ForumRegistration.

The National Fuel Cell Research Center presents the Fuel Cell Technology Institute on June 23-26 in Irvine, California. This workshop examines fuel cell technology, various fuel cell types, and the market for fuel cells. For more information and to register, visit www.nfrcr.uci.edu/fcti.

The Greater Flagstaff Economic Council presents the Southwest Renewable Energy Fair on August 8-10 in Flagstaff, Arizona. For more information, visit www.gfec.org/swref.

The Solar Living Institute is sponsoring SolFest 2003 on August 23-24 in Hopland, California. Workshops and speakers will address renewable energy's application and promise. For more information, see www.solarliving.org/solfest2003.cfm.

The Association of American Engineers is sponsoring the 21st West Coast Energy Management Congress on September 17-18 in San Diego, California. The conference includes multi-track, seminars, and exposition on energy management topics. For more information, see www.aeecenter.org.

Whitman College is hosting the Northwest Renewable Energy Festival on September 19-21 in Walla Walla, Washington. The fair aims to educate about renewable energy and energy efficiency and explore how renewable resources' practical applications. More information can be found at www.nwrefest.org.

Alternative Technologies Seminars is hosting the Olympic Energy Expo on October 5-6 in Port Angeles, Washington. Current and cutting-edge energy technologies will be exhibited. For more information, visit www.olympicenergyexpo.com.

The Greening of Industry Network presents GIN2003: Innovating for Sustainability October 12-15 in San Francisco, California. The conference will address issues including climate change, the rise of megacities, resource conflicts, and global trade. For more information, please visit www.greeningofindustry.org/gin2003.htm.

Business for Social Responsibility presents the 2003 Business for Social Responsibility Annual Conference: Building and Sustaining Solutions on November 11-14 in Los Angeles, California. For more information, go to www.bsr.org/conference

[Back to Table of Contents](#)

STUDIES, REPORTS, **AND ANALYSES**

SOLAR AND RENEWABLE ENERGY

***Wind Power: Options for Industry*, National Renewable Energy Laboratory, March 2003**

The brochure provides a snapshot of wind power production across the US, offers tips on how to purchase wind power, includes overviews of successful wind projects serving industry, and lists websites and groups that can provide more information on wind power. To download the brochure, visit www.nrel.gov/docs/fy03osti/33516.pdf.

***Power Price Stability: What's It Worth?*, Platts Research & Consulting, 2003**

The study concludes that the cost of renewable energy sources may be more attractive compared to natural gas, given the potential for gas price increases over the next five to ten years. According to Brandon Owens, study author, "There [will be] considerable uncertainty about where prices will settle, and hedging against rising gas prices with financial instruments could prove to be very expensive." The author also found that natural gas price volatility can be eliminated at little cost through engaging in gas futures contracts. Mr. Owens continues "I don't think this research tells utilities they need to run out and contract for renewables...But these numbers, along with recent gas price gyrations, highlight the need for market participants to remain acutely aware of fuel price risk." To purchase the report, contact Adam Capage at (720) 548-5404.

***Clean Energy Trends 2003*, Clean Edge, Inc., February 2003**

The report examines the potential of clean energy technologies in the U.S. Access the full report at www.cleandedge.com/reports/trends2003.pdf.

***Generating Solutions: How Clean, Renewable Energy is Boosting Local Economies and Saving Consumers Money*, U.S. PIRG Education Fund, April 2003**

In this report, PIRG profiles current power generation throughout the country. Case studies highlight where renewable energy is helping to balance the energy mix between coal-fired electricity generation, or "dirty power" and solar, wind, biomass energy, or clean energy. At least 35 states have untapped renewable energy resources, that if developed would reduce dependence on fossil fuels, while stimulating local economies. A copy of the report may be downloaded from uspirg.org/uspirg.asp?id2=9634&id3=USPIRG&

***Electricity Generation, Renewable Energy and Environmental Considerations*, The Wells Fargo Public Opinion Research Program, University of Colorado at Denver, February 17, 2003**

Through a public opinion survey of people in the state of Colorado, the knowledge and preferences of Coloradoans concerning electricity generation and the accompanying fuels were assessed. The results showed that of Coloradoans, the energy sources preferred to be developed were 38 percent wind, 36 percent solar, and 5 percent coal. The report is noteworthy because Coloradoans lean towards less progressive candidates in elections and get the majority of their electricity from coal. The report in full is available at www.cudenver.edu/wirthchair.

[Back to Table of Contents](#)

ENERGY AND WATER CONSERVATION

***High Performance Buildings: Case Studies Database*, National Renewable Energy Laboratory, March 2003**

The brochure summarizes information collected in the database which can be found at www.highperformancebuildings.gov/case_studies. The brochure can be found at www.nrel.gov/docs/fy03osti/33113.pdf.

***Energy Management Reference Library CD*, Association of Energy Engineers**

This comprehensive set includes *Energy Management Handbook*, 4th edition, Wayne C. Turner; *Guide to Energy Management*, 4th edition, Barney Capehart, Wayne Turner & William Kennedy; *Solutions Manual for Guide to Energy Management*, 4th edition, Klaus-Dieter E. Pawlik; and *Handbook of Energy Engineering*, 5th edition, Albert Thumann and D. Paul Mehta.

***Manual for Intelligent Energy Services*, Shirley J. Hansen, Ph.D.**

The book, directed towards energy managers to better their organizations, helps assess energy conditions and meet energy needs.

***EnergyPromotion.net*, Website**

EnergyPromotion.net is a clearinghouse for reports, books, CDs, and events regarding energy issues. The site can be accessed at www.energypromotion.net.

***Cool Appliances: Policy Strategies for Energy Efficient Homes*, International Energy Agency, April 16, 2003**

This book's findings reveal that using more energy efficient appliances in the world's richest countries could reduce energy use by as much as one-third the current levels. Electrical appliances are the fastest growing energy users, so this book assesses the potential energy savings and carbon reductions to be achieved through technical improvements to appliances. Available policy options that can stimulate greater manufacture and use of more efficient appliances are analyzed. The book provides suggestions of how to strengthen existing appliance-efficiency programs and then demonstrates how international collaboration can enhance those programs. Visit www.iea.org/public/studies/2003/cool/index.htm for information on the book.

[Back to Table of Contents](#)

ALTERNATIVE FUELS AND VEHICLES

***Reference Guide for Integration of Natural Gas Vehicle Fuel Systems*, Gas Technology Institute**

The guide explores natural gas fueling systems for medium and heavy-duty vehicles and assesses current industry practices. It is designed as an information resource for practicing designers, manufacturers, and users of natural gas vehicles.

[Back to Table of Contents](#)

UTILITY-RELATED ISSUES

Retail Energy Deregulation Index (RED Index), Center for the Advancement of Energy Markets, April 2003

The annual publication, which assesses the health of retail energy choice in England, the United States, Canada, Australia, and New Zealand, reports that for 2002, Texas ranks third (behind England and New Zealand). While the overall score for the United States remained the same as last year, authors state that an increase in “virtual choice” or instances where states in regulated markets allow their utilities to offer choices to consumers. Within this category, Oregon led other states because of their offer of renewable electric generation from existing geothermal and wind sources and providing time-of-use rates. To access the report at no cost, visit www.caem.org.

The Future of the Hydrogen Economy: Bright or Bleak?, Baldur Eliasson and Ulf Bossel, ABB Switzerland, January 2003

Mr. Eliasson and Mr. Bossel discuss the plausibility of a hydrogen-based economy in this report. Through their preliminary findings, they argue that hydrogen is not compatible with the energy market, therefore the economy cannot exist on the production and use of hydrogen alone. They found that the transportation of the hydrogen gas presents challenges, and is much more intensive than compared to other gases like methanol, propane or methane. For instance, the low density of hydrogen requires 4.6 times more energy to move it through the pipeline than other gases. Mr. Eliasson and Mr. Bossel are concerned that fossil fuels, instead of a clean, renewable source, will be the energy source used to derive hydrogen from water. The full report and detailed findings are available at www.methanol.org/pdfFrame.cfm?pdf=HydrogenEconomyReport2003.pdf.

MISCELLANEOUS

Federal Real Property Profile, General Services Administration, April 2003

The General Services Administration recently released this report, which is a compilation of the Federal Government’s real property assets. Assets are documented in three categories: buildings, land, and structures. The new Federal Real Property Profile (FRPP) is a redesign of the original Worldwide Inventory Data Collection and Reporting System. To learn more about the profile, refer to the GSA bulletin, which appeared in the *Federal Register* on April 22 or to obtain the report, go on line at www.gsa.gov/realpropertyprofile.

[Back to Table of Contents](#)

ATTACHMENT A

NEW LEGISLATION OF INTEREST TO FEMP

HOUSE

Number	Short title	Date	Sponsor	Status
H. R. 1774	<i>FreedomCAR and Hydrogen Fuel Act of 2003</i>	April 11	Sherwood Boehlert (R/NY)	Referred to the Committees on Science and Energy and Commerce
	Key Provisions:	<p>DOE shall submit to Congress a report on the status of programs and activities within one year of enactment, and biennially thereafter. Report shall include program effectiveness and the potential for interagency, intergovernmental, international, or private sector collaboration opportunities and activities.</p> <p>DOE shall conduct a program designed to facilitate the production and conservation of energy and the deployment of energy infrastructure, including hydrogen energy, fuel cells, advanced vehicle technologies, and clean fuels.</p> <p>DOE shall require non-Federal entities to provide 20% of program costs in cost-sharing commitments.</p> <p>DOE may conduct a transfer technology program with the private sector.</p> <p>Establishes an interagency task force chaired by DOE.</p> <p>Establishes Hydrogen Technical and Fuel Cell Advisory Committee.</p> <p>Authorizes the following funding:</p> <p>\$273,500,000 for FY 2004 \$325,000,000 for FY 2005 \$375,000,000 for FY 2006 \$400,000,000 for FY 2007 \$425,000,000 for FY 2008.</p>		

SENATE

No news of interest to report.

[Back to Table of Contents](#)

ATTACHMENT B

HEARINGS SCHEDULE

HOUSE – APPROPRIATIONS

No hearings or mark ups or interest to report

HOUSE – AUTHORIZATIONS/OVERSIGHT

No hearings or mark ups or interest to report

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

No activities of interest have been announced.

SENATE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>April 29 –</i> Committee on Energy and Natural Resources <i>(NEW)</i>	Pete Dominici (R/NM)	<i>Hearing –</i> Comprehensive Energy Legislation (transportation, climate change, Indian energy)		10 a.m. Room 366 Dirksen Office Building
<i>April 30 –</i> Committee on Energy and Natural Resources <i>(NEW)</i>	Pete Dominici (R/NM)	<i>Hearing –</i> Comprehensive Energy Legislation		10 a.m. Room 366 Dirksen Office Building
<i>May 1 –</i> Committee on Energy and Natural Resources <i>(NEW)</i>	Pete Dominici (R/NM)	<i>Hearing –</i> Comprehensive Energy Legislation		10 a.m. Room 366 Dirksen Office Building

SENATE – APPROPRIATIONS

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>May 8 -</i> Subcommittee on the Legislative Branch (Committee on Appropriations) <i>(NEW)</i>	Ben Campbell (R/CO)	<i>Hearing –</i> FY 2004 budget for the Secretary of the Senate and the Architect of the Capitol		1:30 p.m. Room 124 Dirksen Office Building

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

No activities of interest have been announced.

[Back to Table of Contents](#)

ATTACHMENT C – NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
HVAC			
Whirlpool® and Whirlpool Gold™ Air Conditioning System	Whirlpool Home Cooling Products	Efficiency levels range from 10 to 14 SEER	www.insideadvantage.com
Technovar Pump Controller	Bell & Gossett	Controller adjusts power consumption for optimal system performance, which delivers cost savings	www.bellgossett.com
City Multi VRFZ System	Mitsubishi Electric	Provide individual spaces with their own personalized, zoned comfort system and saves energy	www.mitsubishielectric.com
CriticaLink UPS System	Kohler	Draws power only as required, limiting heat loss and resulting in higher efficiency and lower utilization costs	www.kohlerpowersystems.com
Model IGX-HV Make-Up Air Unit	Greenheck	Eighty percent thermal efficiency	www.greenheck.com
Microcontroller	HBControls Inc.	Maintains desired temperature for only as long as the water flows, saving energy because water is heated on demand	www.hbcontrols.com
Lighting			
Electronic Fluorescent Desk Lamp	Panasonic	Uses less energy to produce the equivalent light output emitted by comparable incandescent bulbs	www.panasonic.com
NL Series Fixture	O-Z/Gedney	Energy efficient; long service life	www.o-zgedney.com
Quik-Start™ Compact Fluorescent Lamp (CFL) Ballast	Advance Transformer Co.	Power Factor greater than 98 percent; extended ballast life	www.advancetransformer.com
Pivot Lamp	Architectural Area Lighting	Uses high efficiency fluorescent lamps	www.aal.net/index2.htm

Technology	Manufacturer	Manufacturers Claim	Contact
Classic Collection Lamp (26W On/Off Replaces 100W Incandescent 55W Dimmable Replaces 250W Incandescent)	Maxlite	Energy saving lamp; ENERGYSTAR® qualified; 10,000 hour lamp life	www.maxlite.com
Library Collection Lamp (40W Dimmable Replaces 175W Incandescent 70W Dimmable Replaces 300W Incandescent)	Maxlite	Energy saving lamp; ENERGYSTAR® qualified; 10,000 hour lamp life	www.maxlite.com
Droplet™ LED Luminaire	Xilver	Uses 35W of energy; highly efficient energy control system yields less energy waste and a lower energy bill	www.xilver.nl
Series SLR001 and SLR002 Solar Powered LED 12-volt Lighting System	LEDtronics	Low power requirements; average lifespan of 100,000-plus hours; rechargeable battery	www.ledtronics.com
Sure Lights® UX Ultimate Exit	Cooper Lighting	Long life; ENERGYSTAR®	www.cooperlighting.com
ENERGY MANAGEMENT TOOLS			
Web-enabled Monitoring and Control Service	Automated Energy	Integrates operation of distributed generation systems with energy management solutions to reduce overall energy costs and improve operational efficiency	www.automatedenergy.com
SceneMaster8000 Dimming System	Leax Lighting Controls	Provides unlimited circuits of scene controlled dimming	www.leax.co.uk
AGI32 Version 1.6	Lighting Analysts	Calculates daylight component in any interior or exterior model using CIE models for clear, partly cloudy and overcast skies	www.lightinganalysts.com
IntelliCon® Economizers	Intellidyne	Monitors and analyzes the load on the heating or cooling system in real time; controls or cycles the burner or compressor accordingly	www.intellidynellc.com
IQ 7000 Power Meter	Eaton Corp./Cutler- Hammer	Provides a complete depiction of power usage and power quality for any metered point within a power distribution network	www.cutler-hammer.eaton.com

Technology	Manufacturer	Manufacturers Claim	Contact
PlatimunPro 480 Digital Multimeters	IDEAL Industries, Inc.	Logs and stores as many as 40,000 records	www.idealindustries.com
ISN Advantage Series DDC Controllers	York	Fully programmable with a single programming tool; customizable	www.york.com
MISCELLANEOUS			
Compact Plenum Fans	Mechanovent/New York Blower Company	Efficiencies beyond 85 percent	www.mechanovent.com
Jet Aeration System	Mixing Systems Inc.	Energy efficient with low VOC emissions	www.mixing.com

[Back to Table of Contents](#)

ATTACHMENT D

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **red**.

ATLANTA REGION

DATE	EVENT	SPONSOR
May 7-10, 2003	11 th Rinker International Conference on Destruction and Materials Reuse Gainesville, FL	Center for Construction and Environment
May 20-23, 2003	Environmental Leadership Workshop Mammoth Cave, KY	National Park Service
June 19-20, 2003	Strategies for Healthier and More Productive Buildings Atlanta, GA	Federal Energy Management Program
June 23-26, 2003	2003 National Workshop on State Building Energy Codes Atlanta, GA	Department of Energy
July 17-19, 2003	2003 Bell Conference: Ecosystems and Enterprise: Perspectives on Education for Sustainable Business Fort Lauderdale, FL	World Resources Institute
August 8-12, 2005	Solar World Congress 2005 Orlando, FL	International Solar Energy Society
August 17-20, 2003	Energy 2003 Orlando, FL	Federal Energy Management Program
November 12-13, 2003	World Energy Engineering Congress (WEEC) Atlanta, GA	Association of Energy Engineers
November 12-14, 2003	High Performance Facilities Expo 2003 Atlanta, GA	Association of Energy Engineers

BOSTON REGION

DATE	EVENT	SPONSOR
May 3-8, 2003	Lightfair International 2003	Lightfair International
May 9, 2003	Wood Construction Mashantucket, CT	University of Massachusetts
May 20-21, 2003	Implementing Renewable Energy Projects Boston, MA	Federal Energy Management Program and National Renewable Energy Laboratory

DATE	EVENT	SPONSOR
May 22, 2003	Distributed Energy Road Show, Sturbridge, MA	Distributed Energy & Electric Reliability Program
May 27-30, 2003	14 th Global Warming Conference Boston, MA	Global Warming International Center
June 9-11, 2003	Multifamily Buildings: Healthy, Durable, Energy Efficient New York City, NY	Department of Energy
June 23-24, 2003	Electricity 101: The Essential Seminar on Power Market Restructuring Boston, MA	Energy Seminars, Inc.
July 29-31, 2003	Waterpower XIII Buffalo, NY	HCI Publications
July 29-August 1, 2003	2003 ACEEE Summer Study on Energy Efficiency in Industry: Sustainability and Industry – Increasing Energy Efficiency and Reducing Emissions Rye Brook, NY	American Council for an Energy Efficient Economy
October 14-15, 2003	3 rd Annual Empire Energy and Environmental Exposition (E4) Albany, NY	Environmental Business Association of New York State, Inc.

CHICAGO REGION

DATE	EVENT	SPONSOR
May 1, 2003	Distributed Energy Road Show, Chicago, IL	Distributed Energy & Electric Reliability Program
May 4-8, 2003	APTA Bus and Paratransit Conference Milwaukee, WI	American Public Transportation Association
May 6, 2003	Distributed Energy Road Show, Milwaukee, WI	Distributed Energy & Electric Reliability Program
May 8, 2003	Distributed Energy Road Show, Madison, WI	Distributed Energy & Electric Reliability Program
May 13, 2003	Wisconsin Green Power Workshop Milwaukee, WI	Center for Resource Solutions
May 20-21, 2003	Super ESPC Workshops Indianapolis, IN	Federal Energy Management Program
May 29-30, 2003	Greening Rooftops for Sustainable Communities Chicago, IL	Green Roofs for Healthy Cities/City of Chicago
May 29-31, 2003	Sustainability Forum St. Paul, MN	Environmental Protection Agency
June 18-19, 2003	Design Strategies for Low-Energy, Sustainable, Secure Buildings Chicago, IL	Department of Energy

DATE	EVENT	SPONSOR
June 21-23, 2003	Renewable Energy and Sustainable Living Fair Custer, WI	Midwest Renewable Energy Association
July 12-16, 2003	Energy Conference for Educators Chicago, IL	National Energy Education Development Project
July 21-25, 2003	Fundamentals of Energy Auditing Madison, WI	University of Wisconsin's College of Engineering
August 9-10, 2003	Illinois Renewable Energy Fair Oregon, IL	Illinois Renewable Energy Association
September 18-20, 2003	Greening of the Campus V: Connecting to Place Muncie, IN	Ball State University
October 15-18, 2003	2003 Excellence in Building Conference & Exposition Chicago, IL	Energy and Environmental Building Association

DENVER REGION

DATE	EVENT	SPONSOR
May 2, 2003	Leaders of Sustainability in an Urban Environment Sustainability Expo Denver, CO	University of Colorado
May 4-7, 2003	25th Silver Anniversary Symposium on Biotechnology for Fuels and Chemicals Breckenridge, CO	National Renewable Energy Laboratory
May 9-10, 2003	Sustainable Dallas Annual Conference Dallas, TX	Sustainable Dallas
May 18-21, 2003	Windpower 2003 Austin, TX	American Wind Energy Association
May 29-31, 2003	Green Design: Ideas to Inspire Environmentally Responsible Facilities Construction Boulder, CO	National Association of College Auxiliary Services/Society for College and University Planning
June 4-5, 2003	In-Depth Introduction to Electricity Markets Denver, CO	Power Marketing Association
June 11-13, 2003	Under the Big Sky Greening Conference Big Sky, MT	Headwaters Cooperative Recycling Partnership/Ethanol Producers and Consumers
June 16-19, 2003	19th Annual International Fuel Ethanol Workshop and Trade Show Sioux Falls, SD	BBi International

DATE	EVENT	SPONSOR
June 21-26, 2003	Solar 2003: America's Secure Energy Austin, TX	American Solar Energy Society
July 12, 2003	Sustainability Fair 2003: Shining a Light on Sustainable Choices Livingston, MT	Corporation for the Northern Rockies
July 19-23 and 26-30, 2003	Energy Conference for Educators July 19-23 in Galveston, TX July 26-30 in Denver, CO	National Energy Education Development Project
July 27-30, 2003	Summer Committee Meetings Denver, CO	National Association of Regulatory and Utility Commissioners
September 13- 14, 2003	4th Annual Rocky Mountain Sustainable Living Fair Fort Collins, CO	Rocky Mountain Sustainable Living Association
September 17-20, 2003	Architectural Engineering 2003: Building Integration Solutions Austin, TX	Architectural Engineering Institute
September 26- 28, 2003	Renewable Energy Roundup and Green Living Fair Fredericksburg, TX	Texas Renewable Energy Industries Association and Texas Solar Energy Society
September 28- 29, 2003	Solar Fiesta: Building the Energy Pathways Albuquerque, NM	New Mexico Solar Energy Association
September 29- October 1, 2003	Building for Greener Communities National Conference Nebraska City, NB	Firewise Communities
October 19-21, 2003	World Workplace and Facilities America Conference Dallas, TX	International Facility Management Association
October 21-23, 2003	Laboratories for the 21st Century 2003 Annual Conference Denver, CO	Department of Energy
December 11-12, 2003	Business Energy Solutions Expo 2003 New Orleans, LA	Association of American Engineers

PHILADELPHIA REGION

Date	Event	Sponsor
April 30-May 2, 2003	CHP On the Move: Meeting State, Federal, and International Challenges Washington, DC	United States Combined Heat and Power Association
May 1-3, 2003	Building the Town Green Conference and Trade Show Philadelphia, PA	Delaware Green Building Council

Date	Event	Sponsor
May 8, 2003	Third Annual Green Power: Turn it On! Getting to 10% Conference Harrisburg, PA	PennFuture
May 8-9, 2003	Real-World Sustainable Solutions for EH&S Specialists Washington, DC	ABS Consulting
May 10-14, 2003	2003 Tour de Sol: The Great American Green Transportation Festival Burlington County, NJ; Trenton, NJ; Philadelphia, PA; Washington, DC	Northeast Sustainable Energy Association
May 22, 2003	Congressional Fuel Cell Expo 2003 Washington, D.C.	U.S. Fuel Cell Council
May 28-29, 2003	Fuel Cells Summit VII College Park, MD	Department of Energy
June 4-7, 2003	2003 Mid-Atlantic Sustainability Conference Trenton, NJ	New Jersey Clean Energy Program
June 10-12, 2003	Electric Exposition and Conference	Primedia
June 16-20, 2003	Linking Products and Service: Transcending Sustainability Charlottesville, VA	University of Virginia
October 12-14, 2003	2003 AIVC BETEC Conference: Ventilation, Humidity Control and Energy Washington, DC	Building Environment and Thermal Envelope Council
November 12 - November 14, 2003	2003 USGBC International Green Building Conference & Expo Pittsburgh, PA	U.S. Green Building Council

SEATTLE REGION

DATE	EVENT	SPONSOR
April 30-May 1, 2003	Cleantech Venture Forum San Francisco, CA	Cleantech Venture Network LLC
May 6-8, 2003	Net Energy Homes Conference Stevenson, WA	Washington State University
May 7-9, 2003	23 rd Annual Utility Energy Forum Tahoe City, CA	Northern California Power Agency
May 8-10, 2003	2003 National Convention and Expo San Diego, CA	American Institute of Architects
May 12-13, 2003	Distributed Energy Resources for Federal Facilities Newport Beach, CA	Department of Energy

DATE	EVENT	SPONSOR
May 13-15, 2003	Conference on the Environment Phoenix, AZ	U.S. Fish and Wildlife Service/U.S. Department of the Interior
May 18-21, 2003	Ninth National Clean Cities Conference and Exposition Palm Springs, CA	Department of Energy
May 19-26, 2003	2003 Sustainable Development Workshop Anchorage, AK	Institute of the North at Alaska Pacific University
May 20-22, 2003	Eleventh National Conference on Building Commissioning Palm Springs, CA	PECI
May 29-31, 2003	The Sustainability Forum Portland, OR	Oregon Forest Resources Institute, Environmental Protection Agency and many others
June 1-4, 2003	2003 EEI Annual Convention/Expo Honolulu, Hawaii	Edison Electric Institute & Canadian Electricity Association
June 8-12, 2003	Building Bridges: Prospecting for Solutions and Golden Opportunities Sacramento, CA	National Fuel Funds Network
June 23-26, 2003	Fuel Cell Technology Institute Irvine, CA	National Fuel Cell Research Center
July 25-27, 2003	Life Cycle Assessment for Building Designers Dexter, OR	Lost Valley Educational Center
August 8-10, 2003	Southwest Renewable Energy Fair Flagstaff, AZ	Greater Flagstaff Economic Council
August 23-24, 2003	SolFest 2003 Hopland, CA	Solar Living Institute
September 17- 18, 2003	21st West Coast Energy Management Congress, San Diego, CA	Association of Energy Engineers
September 19- 21, 2003	Northwest Renewable Energy Festival Walla Walla, WA	Whitman College
October 1-3, 2003	Sustainable Energy Expo and Conference Los Angeles, CA	IIR Exhibitions
October 5-6, 2003	Olympic Energy Expo Port Angeles, WA	Alternative Technologies Seminars
October 12-15, 2003	GIN2003: Innovating for Sustainability San Francisco, CA	Greening of Industry Network

DATE	EVENT	SPONSOR
November 11-14, 2003	2003 Business for Social Responsibility Annual Conference: Building and Sustaining Solutions Los Angeles, CA	Business for Social Responsibility

[Back to Table of Contents](#)